Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/03/2016 10:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124187	-1	2.81	124137	2.70
Blue	F	SSC	125000	123870	-1	5.03	124949	4.82
Blue	E	FITC	17316	16506	-5	3.64	929	9.41
Blue	D	PE	22501	21783	-4	3.33	981	8.51
Blue	B	PerCP-Cy5-5	67647	65962	-3	3.83	1739	13.18
Blue	A	PE-Cy7	80682	79177	-2	4.81	1044	25.11
Red	C	APC	64263	63140	-2	2.68	3562	8.34
Red	A	APC-Cy7	96129	93712	-3	2.75	1853	8.16
Violet	B	V450	11714	11083	-6	3.72	688	8.05
Violet	A	V500	48394	47168	-3	3.30	2669	5.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19456	4.09	591	2	N/A	N/A	Pass
Blue	F	SSC	61613	4.01	515	1	N/A	N/A	Pass
Blue	E	FITC	99	35.11	516	-4	0.0243	39	Pass
Blue	D	PE	201	25.03	512	-2	0.1758	151	Pass
Blue	B	PerCP-Cy5-5	211	38.68	606	-1	0.0116	0	Pass
Blue	A	PE-Cy7	78	96.37	663	0	0.0146	5	Pass
Red	C	APC	331	26.31	583	-2	0.0200	0	Pass
Red	A	APC-Cy7	117	38.49	563	-2	0.0046	725	Pass
Violet	B	V450	73	39.10	455	-1	0.0462	1464	Pass
Violet	A	V500	173	22.17	488	1	0.0138	175	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.23	-30.91	0.81
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	15.91	13.28 - 19.92	N/A	N/A	31.22	31.66	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13831

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments